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Summary of Amendments: 105 CMR 300.000: *Reportable Diseases,
Surveillance and Isolation and Quarantine Requirements*
Effective 12/6/2013

On December 18, 2013, the Massachusetts Department of Public Health's revisions to 105 CMR 300.000: *Reportable Diseases, Surveillance and Isolation and Quarantine Requirements* became effective. Following is a summary of the principal amendments to the regulations.

Background

M.G.L. c.111, §§ 1, 3, 5, 6, 7, 94C, 109, 110, 110B, 111 and 112 outline the responsibilities of the local boards of health and the Department with respect to the reporting and control of diseases dangerous to the public health. M.G.L. c.111D, § 6, references the obligation of clinical laboratories to report infectious diseases to the Department.

I. General revisions

General revisions that have been incorporated throughout the regulations include:

- specifying that the Massachusetts Virtual Epidemiologic Network (MAVEN) shall be used for notifying local boards of health of disease events;
- requiring, when available, race and ethnicity on each report;
- requesting, in certain circumstances, that when a reporter is unable to communicate with a representative of the local board of health on the same day, that the Department be contacted directly.

II. Specific revisions

1. 300.020: Definitions. The following new terms were defined or further clarified:

- Active Tuberculosis
- Disease Event
- Disease Surveillance and Case Management System
- Exposure
- Hepatitis Syndrome, Acute
- MAVEN
- Point of Care Testing

2. 300.100: Diseases Reportable to Local Boards of Health. The following conditions were added to the list of diseases reportable to local boards of health:
- Foodborne illness due to toxins (including mushroom toxins, ciguatera toxins, scombrototoxin, tetrodotoxin, paralytic shellfish toxin and amnesic shellfish toxin, and others)
 - hepatitis D
 - hepatitis E
 - hepatitis syndrome, acute
 - Respiratory infection thought to be due to any novel coronavirus, including but not limited to severe acute respiratory syndrome (SARS) and Middle East respiratory syndrome (MERS)
 - pox virus infections in humans, including variola (smallpox), monkeypox, vaccinia, and other orthopox or parapox viruses, excluding molluscum contagiosum

The following diseases were removed:

- Chagas disease
 - hepatitis (infectious, not otherwise specified)
 - toxoplasmosis
3. 300.120: Confidentiality. This section was clarified to allow the release of confidential information when authorized by the Commissioner pursuant to M.G.L. c. 111. 1. 24A.
4. 300.135: Reporting of Pediatric Influenza Deaths, Severe and Unusual Illnesses due to Influenza, Cases of Antiviral Treatment or Prophylaxis Failure, and Illnesses Believed to Be Due to Novel Influenza Viruses. This section was modified to include the reporting of influenza related deaths in pregnant women, severe and unusual cases of influenza, and cases due to influenza viruses that are potentially resistant to antiviral agents.
5. 300.136: Reporting of Infection or Suspected Infection Believed to be Transmitted by a Transfused Blood Product or Transplanted Organ, Tissue or Tissue Product. [New] This section was added to authorize appropriate response to potentially contaminated blood, organ or tissue products that result in the transmission of an infectious agent.
6. 300.170: Laboratory Findings Indicative of Infectious Disease Reportable Directly to the Department by Laboratories. The following organisms and conditions were added or modified to those reportable by laboratories:
- *Borrelia miyamotoi*
 - novel coronaviruses, including SARS and MERS
 - *Cryptococcus gattii*
 - hepatitis D
 - hepatitis E
 - rabies
 - simian herpes virus

The following organisms were removed from the list:

- *Toxoplasma gondii*
- *Trypanosoma cruzi*

7. 300.171: Reporting of Antimicrobial Resistant Organisms and Cumulative Antibiotic Susceptibility Test Results (Antibiograms). The following was added to the list reportable resistant organisms
 - carbapenemase-producing and/or carbapenem-resistant *Enterobacteriaceae*In addition, in order to monitor hospital based antibiotic resistance, all hospitals will now report antibiograms data in the format prescribed by the Department. [New]
8. 300.172: Submission of Selected isolates and Diagnostic Specimens to the Hinton State Laboratory Institute. The following were added to the list:
 - Specimens with indication or suspicion of measles virus infection
 - Specimens with indication or suspicion of mumps virus infection
 - *Neisseria gonorrhoeae* isolates
 - Organisms with antimicrobial resistance of a novel nature
9. 300.173: Reporting of Certain Negative Diagnostic Tests Associated with Ascertainment of Infection Status. [New] The following negative laboratory results are now reportable to the department by laboratories:
 - Non-treponemal syphilis serologic tests
 - Hepatitis C nucleic acid amplification tests
 - Tests that are part of a panel of diagnostic tests for viral hepatitis and tickborne infections that are associated with a concurrent positive result
10. 300.174: Laboratory Findings Indicative of Infectious Disease Reportable Directly to the Department by Point of Care Testing. [New] This section was added to reflect the growing use of point of care testing by clinicians and other healthcare providers.
11. 300.175: Potential Exposures to Certain Infectious Agents in Clinical Laboratories and Research Settings Reportable Directly to the Department. [New] This section was added to ensure that any exposure to specific infectious agents in a research or clinical setting will be reported to the Department.
12. 300.180: Diseases Reportable Directly to the Department.
 - Sections A) and (B) amendments were made for consistency with other disease reporting requirements (300.110 and 300.170). Names of specific laboratory tests were deleted.
 - Section (C): Genital warts was removed from the list of reportable diseases and the age requirement for reporting neonatal herpes simplex infection was changed from within 30 days after birth to 60 days.
 - Section (D): added "other" under (1) Occupational Lung Disease to capture other causes.
 - Section (E) - corrected cross reference in this section changing 300.140 (D) to 300.180 (D)
13. 300.193 - added work-related injuries to the list of injuries for authorized access to medical records.

14. 300.200: Isolation and Quarantine Requirements (A) Diseases Reportable to Local Health.
Changes to the isolation and quarantine requirements are documented in the table below:

| <u>Disease</u> | <u>Revision</u> | | |
|---------------------------|-----------------------------------|---|---|
| | <u>Newly Added to list</u> | <u>Isolation of Patient</u> | <u>Quarantine of Contacts</u> |
| Amebiasis | No | No changes | Clarified requirement- non substantive. |
| Campylobacteriosis | No | No changes | Clarified requirement- non substantive. |
| Cholera | No | No changes | Clarified requirement- non substantive. |
| Cryptosporidiosis | No | No changes | Clarified requirement- non substantive. |
| Cyclosporiasis | No | No changes | Clarified requirement- non substantive. |
| <i>E. coli</i> 0157:H7 | No | No changes | Clarified requirement- non substantive. |
| Giardiasis | No | No changes | Clarified requirement- non substantive. |
| Hemolytic uremic syndrome | No | No changes | Clarified requirement- non substantive. |
| Hepatitis A | No | Clarified requirement- non substantive. | Clarified requirement- non substantive. |
| Hepatitis D | Yes | Same as co-infecting hepatitis B | Same as co-infecting hepatitis B |
| Hepatitis E | Yes | Isolation until one week after onset of symptoms, or for cases where the onset date is not known, one week past the date of the specimen positive for evidence of acute hepatitis E was provided. | No restrictions, except for susceptible food handlers, who shall be excluded from their occupation for 28 days. |
| Measles | No | No changes | Quarantine of contacts now differentiates between general contacts and contacts who are health care workers and inpatients. “Public activities” are specified as an exclusionary site. The term “patients” was clarified to reflect inpatients. Health care |

| | <u>Revision</u> | | |
|---|-----------------------------------|---|--|
| <u>Disease</u> | <u>Newly Added to list</u> | <u>Isolation of Patient</u> | <u>Quarantine of Contacts</u> |
| | | | workers and inpatients will be excluded even if they were vaccinated post exposure. |
| Meningococcal disease, invasive infection | No | Add requirement for droplet precautions | No changes |
| Mumps | No | No changes | Quarantine of contacts now differentiates between general contacts and contacts who are health care workers and inpatients. "Public activities" are specified as an exclusionary site. Post exposure exclusionary period was modified. |
| Plague | No | The term "onset" was changed to "initiation". | No changes |
| Rabies | No | No changes | Clarified language non substantive. |
| Rubella a) Congenital | No | No changes | None |
| b) Non-Congenital | No | No changes | Quarantine of contacts now differentiates between general contacts and contacts who are health care workers and inpatients. Public activities are specified as an exclusionary site. Post exposure exclusionary period was modified. |
| Salmonellosis a) Not including | No | No changes | Clarified requirement- non |

| | <u>Revision</u> | | |
|---------------------------------------|----------------------------|-----------------------------|--|
| <u>Disease</u> | <u>Newly Added to list</u> | <u>Isolation of Patient</u> | <u>Quarantine of Contacts</u> |
| Typhoid fever | | | substantive. |
| b) <i>S. typhi</i> (Typhoid fever) | No | No changes | No changes |
| Shiga toxin-producing organisms | No | No changes | Clarified requirement- non substantive. |
| Shigellosis | No | No changes | Clarified requirement- non substantive. |
| Varicella (chickenpox) | No | None | Quarantine of contacts now differentiates between general contacts and contacts who are health care workers and inpatients. "Public activities" are specified as an exclusionary site. Post exposure exclusionary period was modified. |
| Yersiniosis | No | No changes | Clarified requirement- non substantive. |

15. 300.200 Isolation and Quarantine Requirements (B) Diseases Reportable to the Department of Public Health. For the following diseases, requirements for isolation and quarantine were deleted:

- AIDS
- Chancroid
- Chlamydia
- Gonorrhea
- Granuloma inguinale
- Herpes, neonatal
- HIV infection
- Lymphogranuloma venereum
- Ophthalmia neonatorum
- Pelvic inflammatory disease
- Syphilis

16. 300.300: Required AIDS Education. This section was deleted to reflect changes in law occurring after previous revisions.